

BORING\_WELL2\_CASMALIA.RIFS.GPJ GEOL.GDT 12/13/10

# Well Construction Details

Top of PVC Casing  
Elev. **513.97 ft.**

GROUND SURFACE

2" DIA. BOREHOLE: to 22 ft.

BENTONITE-CEMENT SEAL: 0 to 5 ft.  
3/4" DIA. SCHED. 40 PVC CASING: +2 to 7 ft.

PRE-FABRICATED BENTONITE SEAL: 5 to 7 ft.

PRE-FABRICATED FILTER PACK: 7 to 22 ft.

PRE-FABRICATED 3/4" DIA. SLOTTED CASING: 7 to 22 ft.

BOTTOM WELL CAP: 22 ft.  
Well casing installed to 22 ft. BGS

Recovery (inches)  
PID Reading (ppm)

48	19
48	
48	4.6
48	29
48	10
48	996
48	
300	
300	
24	
300	

Date 7/19/06

Driller Rhino Rig

Drilling Method Direct Push

Sampler Clear Liners

Hammer Weight NA Drop NA

Logged by Datum

Surface Elevation 511.68 Hole Dia. 2 in.

Northing 1237374.762 Easting 513.9666

Depth (ft.)  
Sample

0	Dark Grayish Brown Sandy Lean Clay with Gravel (CL) (2.5Y 4/2) Very stiff, dry, 50% clay, 30% fine to coarse sand, 20% fine mudstone gravel (fill)
5	
10	Dark Grayish Brown Sandy Lean Clay (CL) (2.5Y 4/2) Very stiff, dry, 65% clay, 30% fine to coarse sand, 5% angular gravel (fill)
15	Very Dark Gray Sandy Lean Clay with Gravel (CL) (5Y 3/1) Very stiff, dry, 65% clay, 25% fine to coarse sand, 10% angular gravel (fill)
17	Very Dark Gray Sandy Lean Clay (CL) (5Y 3/1) Medium stiff, dry, 70% clay, 30% fine to coarse sand, trace angular gravel (fill)
17	Very Dark Gray Sandy Lean Clay with Gravel (CL) (5Y 3/1) Medium stiff, dry to moist, 55% clay, 30% fine to coarse sand, 15% angular gravel (fill)
17	@17 ft.: Color change to Olive Gray
21	@21 ft.: Driller notes change to harder material at 21 ft.
22	Olive Lean Clay (CL) (5Y 4/3) Very stiff, dry, 85% clay, 15% silt, oxidation staining
22	Refusal at 22 ft.

## Well Construction Details and Log of Boring RIPZ-35

Final Remedial Investigation Report  
Casmalia Resources Superfund Site  
Casmalia, California

PLATE

# E9-47

DRAWN

JOB NUMBER

CHECKED

CHCK'D DATE

APPROVED

APPR'D DATE

WJF

4088097619

WJF

1/11

WBC

1/11